

[Designation of Document] Abstract

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[Object] To provide an anti-human influenza virus antibody and an immunogenic artificial polypeptide.

[Constitution] An anti-human influenza virus antibody which recognizes the stem regions of haemagglutinin molecules of the H1N1 and H2N2 subtypes and has a neutralization activity but does not recognize the stem region of the H3N2 subtype and has no neutralization activity. An immunogenic artificial polypeptide having an antigenicity substantially same as the stem regions of haemagglutinin molecules. An immunogenic artificial polypeptide having an antigenicity substantially same as the stem regions of haemagglutinin molecule and lacking the globular head region of haemagglutinin molecules.

[Effect] This antibody is useful in the diagnosis and treatment of influenza A virus, while these polypeptides are useful as a vaccine.

[Selected figure] none.

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